



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,150	08/27/2003	Hiroyuki Hasegawa	450100-04700	5058

7590 11/25/2008  
William S. Frommer, Esq.  
FROMMER LAWRENCE & HAUG LLP  
745 Fifth Avenue  
New York, NY 10151

EXAMINER
----------

KHAN, USMAN A

ART UNIT	PAPER NUMBER
----------	--------------

2622

MAIL DATE	DELIVERY MODE
-----------	---------------

11/25/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/649,150

**Applicant(s)**

HASEGAWA ET AL.

**Examiner**

USMAN KHAN

**Art Unit**

2622

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-7 and 9-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-7 and 9-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB008)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments filed on 08/12/2008 with respect to claims 1, 7, and 13 have been considered but are moot in view of the new ground(s) of rejection, due to a re-interpretation of the Sato et al. (US patent No. 6,977,676) reference. Since this is a new grounds of rejection, which was not done because of an amendment, this action is non-final.

Regarding the objection to the specification for the title of the invention is not being descriptive. The examiner notes that the newly provided title is not descriptive.

Regarding the objection to claim 13 the applicant has amended the claim to overcome the objection.

Regarding the objection to claim 30 the applicant has canceled claim 30 hence the objection is withdrawn.

Regarding the objection to claims 3 – 6, 9 – 12, 19 – 20, 23 – 24, and 30 the applicant has amended claims 3 – 6 9 – 12 to overcome the objection (Note: claims 19 – 20, 23 – 24, and 30 are canceled by the applicant).

### ***Claim Objection***

**Claim 1** is objected to because of the following informalities: The applicant claims "said last-mentioned image data". There are multiple instances of image data claimed in the claim and "said last-mentioned image data" does not clearly specify which image data the applicant is referring to, the examiner is kindly requesting to specify specifically in the claim which image data the applicant is referring to. Appropriate correction is required.

### ***Specification***

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Camera surveillance system and method for displaying multiple zoom level of a image on different portions of a display using multiple cameras.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3 - 7, and 9 - 13 are rejected under 35 U.S.C. 102(e) as being anticipated by Sato et al. (US patent No. 6,977,676).

Regarding **claim 1**, Sato et al. discloses a monitoring system for monitoring a predetermined location (figure 1 item 109, PC), comprising:

a first image display portion (figures 2, 12A - 12B, and 13 item 204) for storing in a storage unit image data derived (column 9 lines 58 - 67; image storage) from a first camera unit capable of taking images from different imaging directions (figures 1 and item 101 and figure 7 items 71 and 72; wide-angle cameras 71 and 72 in figure 7 when combined together are considered as one camera unit and they take images from different imaging directions), and position information associated with each set of image data (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded and figure 5a and 5b) said first image display portion displaying either compressed images of said image data having been compressed from said first camera unit or compressed images of said image data read from said storage unit and then being compressed (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded and figure 5a and 5b), at a position based on position information associated with a set of said displayed image data, with the position information of a respective set of image data being assembled therein (figure 5a and 5b); and

a second image display portion (figures 2, 12A - 12B, and 13 item 202) for deriving moving image data from a second camera unit capable of taking images from

changeable directions and displaying said moving image data (figures 1 and item 110 and figure 7 item 73); and

a third image display portion for storing in a storage unit image data (figures 2, 12A - 12B, and 13 item 203), derived from different positions from said first camera unit over all image-taking directions in a maximum movement range thereof (figures 2, 12A - 12B, and 13 item 203), with position information associated with each set of said image data derived from different positions from said first camera unit over all image-taking directions in a maximum movement range thereof (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded), said third image display portion displaying either compressed images of said last-mentioned image data having been compressed from said first camera unit or compressed images of said last-mentioned image data read from said storage unit and then being compressed, at a position based on associated position information, with the position information of a respective set of said last-mentioned image data sets being assembled therein (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded),

wherein a predetermined range is selected with a first indicating display and superimposed on said first image display portion, and said moving image data is derived within said predetermined range (figures 2, 12A - 12B, and 13 item 204; note the applicant does not mention that the first and third display portions are mutually

different and distinct portions of the display; the examiner can consider the whole range of 204 as being a first indicating display).

Regarding **claim 3**, as mentioned above in the discussion of claim 1 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that said first and second image display portions make display on mutually different areas on display means (figures 2, 12A - 12B, and 13 items 204 and 202).

Regarding **claim 4**, as mentioned above in the discussion of claim 1 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that wherein display information of a range indicated by a second indicating display superimposed on said third image display portion is displayed on said first image display portion (figures 2, 12A - 12B, and 13 items 203 and 204).

Regarding **claim 5**, as mentioned above in the discussion of claim 4 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that while selection is being made with said first or second indicating displays, and during the time from said selection until starting of image-taking of said selected range, image data within said predetermined range selected with said first or second indicating displays is read out from said storage unit and displayed on said second or first image display portions (figures 2, 12A - 12B, and 13 items 204 and 202).

Regarding **claim 6**, as mentioned above in the discussion of claim 4 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that upon selection of an arbitrary point on said first or third image display portion, said first or second indicating displays are superimposed on said first or third image display portion according to said selected arbitrary point (column 5 lines 1 *et seq.* and column 7 lines 21 *et seq.*).

Regarding **claim 7**, Sato et al. discloses a monitoring method for monitoring a predetermined location (figure 1 item 109, PC), comprising:

a step for storing in a storage unit image data (column 9 lines 58 - 67; image storage), derived from a first camera unit capable of taking images from different imaging directions (figures 1 and item 101 and figure 7 items 71 and 72; wide-angle cameras 71 and 72 in figure 7 when combined together are considered as one camera unit and they take images from different imaging directions), and position information associated with each set of image data (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded and figure 5a and 5b)

a step for displaying on a first image display portion (figures 2, 12A - 12B, and 13 item 204) either compressed images of said image data having been compressed from said first camera unit or compressed images of said image data read from said storage unit and then being compressed (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and



encoded) at a position based on position information associated with a set of said displayed image data, with the position information of a respective set of image data being assembled therein (figure 5a and 5b).

a step for deriving moving image data from a second camera unit capable of taking images from changeable directions (figures 1 and item 110 and figure 7 item 73); a step for displaying said moving image data on a second image display portion (figures 2, 12A - 12B, and 13 item 202); and

a step of using a third image display portion for storing in a storage unit image data (figures 2, 12A - 12B, and 13 item 203), taken of different positions with said first camera unit over all image-taking directions in the maximum movement range thereof (figures 2, 12A - 12B, and 13 item 203), with position information attached to each set of image data taken over all image-taking directions in the maximum movement range (column 5 lines 10 – 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded), and displaying either compressed images of said taken image data having been compressed or compressed images of said image data stored in said storage unit having been compressed, at a position based on corresponding position information, with position information of each of said taken image, data sets being assembled therein (column 5 lines 10 – 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded),

wherein a predetermined range is selected with a first indicating display and superimposed on said first image display portion, and said moving image data is

derived within said predetermined range (figures 2, 12A - 12B, and 13 item 204; note the applicant does not mention that the first and third display portions are mutually different and distinct portions of the display; the examiner can consider the whole range of 204 as being a first indicating display).

Regarding **claim 9**, as mentioned above in the discussion of claim 7 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that said first and second image display portions make display on mutually different areas on display means (figures 2, 12A - 12B, and 13 items 204 and 202).

Regarding **claim 10**, as mentioned above in the discussion of claim 7 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that wherein an image of a range indicated by a second indicating display superimposed on said third image display portion is displayed on said first image display portion (figures 2, 12A - 12B, and 13 items 203 and 204).

Regarding **claim 11**, as mentioned above in the discussion of claim 4 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that while selection is being made with said first or second indicating displays, and during the time from selection with said first or second indicating displays until starting of image-taking of said selected desired range, image data within said predetermined range selected with said first or second indicating displays is read out from said storage

unit and displayed on said second or first image display portion (figures 2, 12A - 12B, and 13 items 204 and 202).

Regarding **claim 12**, as mentioned above in the discussion of claim 4 Sato et al. teaches all of the limitations of the parent claim. Additionally, Sato et al. teaches that upon an arbitrary point on said first or third image display portion being selected, said first or second indicating displays are superimposed on said first or third image display portion according to said selected arbitrary point (column 5 lines 1 *et seq.* and column 7 lines 21 *et seq.*).

Regarding **claim 13**, Sato et al. discloses a computer-readable medium encoded with a program (column 3 lines 4 – 21, column 6 lines 29 – 58, and column 7 lines 4 *et seq.*) for causing a computer to execute a monitoring method for monitoring a predetermined location (figure 1 item 109, PC) by:

storing in a storage unit image data (column 9 lines 58 - 67; image storage), derived from a first camera unit capable of taking images from different imaging directions (figures 1 and item 101 and figure 7 items 71 and 72; wide-angle cameras 71 and 72 in figure 7 when combined together are considered as one camera unit and they take images from different imaging directions), and position information associated with each set of image data (column 5 lines 10 – 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded and figure 5a and 5b);

displaying on a first image display portion (figures 2, 12A - 12B, and 13 item 204), either compressed images of said image data having been compressed from said first camera unit or compressed images of said image data read from said storage unit and then being compressed (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded), at a position based on position information associated with a set of said displayed image data, with the position information of a respective set of image data being assembled therein (figure 5a and 5b);

deriving moving image data from a second camera unit capable of taking images from changeable directions (figures 1 and item 110 and figure 7 item 73);

displaying said moving image data on a second image display portion (figures 2, 12A - 12B, and 13 item 202); and

using a third image display portion for storing in a storage unit image data (figures 2, 12A - 12B, and 13 item 203), taken of different positions with said first camera unit over all image-taking directions in the maximum movement range thereof (figures 2, 12A - 12B, and 13 item 203), with position information attached to each set of image data taken over all image-taking directions in the maximum movement range (column 5 lines 10 - 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded), and displaying either compressed images of said taken image data having been compressed or compressed images of said image data stored in said storage unit having been compressed, at a position based on corresponding position information, with position information of each of said

taken image, data sets being assembled therein (column 5 lines 10 – 18; item 114 compressed and encoded signal; also column 6 lines 1 - 9, image signal 113 is compressed and encoded),

wherein a predetermined range is selected with a first indicating display and superimposed on said first image display portion, and said moving image data is derived within said predetermined range (figures 2, 12A - 12B, and 13 item 204; note the applicant does not mention that the first and third display portions are mutually different and distinct portions of the display; the examiner can consider the whole range of 204 as being a first indicating display).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kato et al. (US patent No. 7,343,050) teaches zooming in multiple times on an object.

Smith (US patent No. 6,757,008) teaches displaying a zoomed and a full field view of an area.

Trajkovic et al. (US patent No. 6,771,306) teaches displaying a zoomed and a full field view of an area.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Usman Khan whose telephone number is (571) 270-

1131. The examiner can normally be reached on Mon-Thru 6:45-4:15; Fri 6:45-3:15 or Alt. Fri off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Usman Khan/

Usman Khan  
11/19/2008  
Patent Examiner  
Art Unit 2622

/David L. Ometz/  
Supervisory Patent Examiner, Art  
Unit 2622